CLAIMS

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is as follows:

1	1. A virtual Point-of-Sale (POS) system for a retail store comprising:
2	a remote activator device carried by a sales associate;
3	a positioning system which recognizes a signal from the remote
4	activator device and determines where and how to find an appropriate blank
5	surface near the sales associate's actual location;
6	an integrated projector and camera assembly responsive to the
7	positioning system and which rotates to a correct position and displays a POS
8	application on a blank surface near the location of the sales associate, the
9	camera detecting entries in the POS application by the sales associate as
10	interactions with the displayed POS application;
11	a scanner used by the sales associate for scanning merchandise codes
12	to enter purchases in the displayed POS application; and
13	a magnetic stripe reader for reading a credit or debit card to complete
14	transaction in the displayed POS application.
1	2. The virtual Point-of-Sale (POS) system for a retail store recited in claim 1,
2	wherein said remote activator device, said scanner and said magnetic stripe
3	reader are each part of an integrated device carried by the sales associate.
1	3. The virtual Point-of-Sale (POS) system for a retail store recited in claim 2,
2	wherein in the integrated device further includes a printer for printing a sales
3	receint

1	4. The virtual Point-of-Sale (POS) system for a retail store recited in claim 1,
2	wherein the signal from the remote activator is a wireless signal conforming to
3	a standardized protocol.
1	5. The virtual Point-of-Sale (POS) system for a retail store recited in claim 1,
2	wherein the positioning system uses a positioning algorithm to determine
3	where and how to find a blank surface near the sales associate's actual
4	location.
1	6. The virtual Point-of-Sale (POS) system for a retail store recited in claim 1,
2	wherein the remote activator device transmits location information to the
3	positioning system for use in determining where and how to find a blank
4	surface near the sales associate's actual location.
1	7. The virtual Point-of-Sale (POS) system for a retail store recited in claim 1,
2	further comprising a back office computer connected to receive entries in the
3	POS application.
1	8. A method of operating a virtual Point-of-Sale (POS) system for a retail
2	store comprising the steps of:
3	transmitting an activation signal to a positioning device;
4	in response to the activation signal, determining by the positioning
5	device a source location of the activation signal;
6	moving by the positioning device a projector to project a virtual POS
7 ·	display on a surface proximate to the source location; and
8	detecting entries for a transaction using the virtual POS display.

9. The method of operating a virtual Point-of-Sale (POS) system for a retail

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2	store recited in claim 8, further comprising the steps of:
3	determining if payment is made by credit or debit card; and
4	if payment is made by credit or debit card, finalizing the transaction.
1	10. The method of operating a virtual Point-of-Sale (POS) system for a retail
2	store recited in claim 9, wherein if a payment is not made by credit or debit
3	card, further comprising the step of suspending the transaction for finalizing at
4	a check out desk